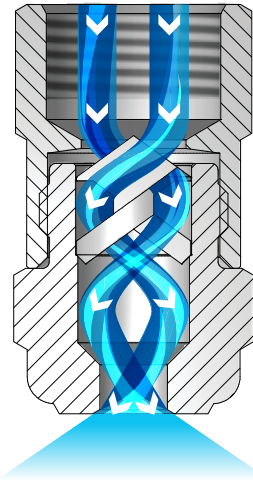


**OVERVIEW: FULLJET G AND H**

- Solid cone-shaped spray pattern with round impact area
- Unique vane design minimizes turbulence of the fluid to ensure uniform spray distribution and consistent spray coverage
- Large unobstructed flow passages minimize clogging and increase throughput
- Removable caps and vanes in most models make maintenance fast and easy
- Standard, wide and narrow spray angles



**FullJet G and H Nozzles**

The liquid enters the nozzle and proceeds through the vane. The vane causes the liquid to swirl. The design of the nozzle ensures the liquid continues to swirl as it enters the orifice. The liquid breaks up as it exits the nozzle orifice forming a well defined cone pattern. The drops are uniform in size and distributed equally throughout the spray pattern.

**FULLJET G NOZZLES**

- Spray angles: Standard – 43° to 94°, Narrow – 15° or 30°, Wide – 112° to 120°
- Uniform spray distribution from .07 to 25 gpm (.29 to 92 lpm)
- Operating pressures up to 300 psi (20 bar)
- Wall-mount versions for installation on room exterior, vessel or pipeline
- Right-angle mount versions for 90° angle mounting in areas with limited space



**G**  
1/8" to 1/2" female conn.  
Removable cap and vane



**GG**  
1/8" to 1/2" male conn.  
Removable cap and vane

**FULLJET G OPTIONS**

**GD** – 1/8" to 1/2" female conn.  
Wall-mount  
Removable cap and vane

**GGD** – 1/8" to 1/2" male conn.  
Wall-mount  
Removable cap and vane

**GA** – 1/8" to 1/2" female conn.  
Angle-type  
Removable cap and vane

**GGA** – 1/8" to 1/2" male conn.  
Angle-type  
Removable cap and vane


**G-15**  
1/8" to 1/2" female conn.  
Removable cap and vane

**GG-15**  
1/8" to 1/2" male conn.  
Removable cap and vane

**G-30**  
1/8" to 3/4" female conn.  
Removable cap and vane

**GG-30**  
1/8" to 3/4" male conn.  
Removable cap and vane

**FULLJET H NOZZLES**

- Spray angles: Standard – 43° to 94°, Narrow – 15° or 30°, Wide – 102° to 125°
- Uniform spray distribution from .07 to 5324 gpm (.29 to 19842 lpm)
- Operating pressures up to 300 psi (20 bar)
- Wall-mount versions for installation on room exterior, vessel or pipeline
- Certain nozzles available with UL listing 



**FULLJET H OPTIONS**

 <p><b>HH</b> – 1/8" to 1" male conn. One-piece body</p>	 <p><b>D-HH</b> – 1/2" to 3/4" male conn. One-piece body/plastic**</p>	 <p><b>HF</b> – 4" to 10" flange conn. Removable vane/cast body</p>	
 <p><b>HD</b> – 3/4" to 3" female conn. Wall-mount One-piece body</p>	 <p><b>H-15</b> – 3/4" to 3" female conn. One-piece body Removable vane</p>	 <p><b>H-15</b> – 4" to 5" female conn. Two-piece cast body Removable vane</p>	 <p><b>HH-30</b> – 1" to 2-1/2" male conn. One-piece body Removable vane</p>

\*Max. temperature for polypropylene: 150°F (66°C). \*\* Max. temperature for Kynar®: 212°F (100°C).

**ORDERING INFORMATION**

**FULLJET G, GD, GA, G-15, G-30, H, HF, HD, H-15 AND HH-30**

Inlet Conn.	Nozzle Type	–	Material Code	Capacity Size	<b>Example</b>
					1/4 G – SS 10

BSPT connections require the addition of a "B" prior to the inlet connection.

**FULLJET D-HH**

Nozzle Prefix	Inlet Conn.	Nozzle Type	–	Material Code	Spray Angle	Capacity Size	<b>Example</b>
							D 1/2 HH – PP 70 24

BSPT connections require the addition of a "B" prior to the inlet connection.

**RELATIVE DROP SIZE  
IN MICRONS**

 10 to 100	 100 to 500	 500 to 1000	 1000 to 5000
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Drop size will vary based on flow rate and pressure.



PERFORMANCE DATA:  
NARROW ANGLE SPRAY

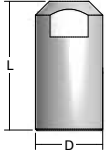
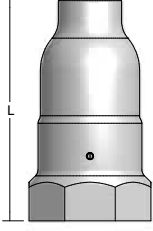
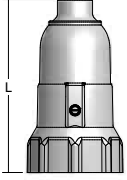
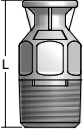
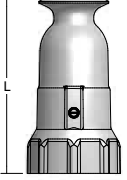
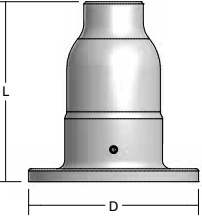


Inlet Conn. (in.)	Nozzle Type						Capacity Size	Orifice Dia. Nom. (mm)	Flow Rate Capacity (liters per minute)										Spray Angle (°)			
	G-15	G-30	GG-15	GG-30	H-15	HH-30			0.7 bar	1 bar	1.5 bar	3 bar	6 bar	7 bar	10 bar	15 bar	20 bar	0.7 bar	1 bar	3 bar	7 bar	
1/8	●		●				1507	1.6	1.3	1.6	2.0	2.8	3.9	4.2	5.0	6.2	7.1	13	14	15	15	
	●		●				1514	2.4	2.7	3.2	3.9	5.5	7.8	8.4	10.1	12.4	14.3	13	14	15	15	
1/4	●		●				1530	3.2	5.7	6.8	8.4	11.8	16.8	18.1	22	26	31	13	14	15	15	
3/8	●		●				1550	4.4	9.5	11.4	14.0	19.7	28	30	36	44	51	13	14	15	15	
1/2	●		●				1590	5.6	17.2	21	25	36	50	54	65	79	92	13	14	15	15	
3/4					●		15150	7.5	29	34	42	59	84	90	108	132	153	13	14	15	15	
1					●		15280	9.9	53	64	78	111	156	169	202	247	285	13	14	15	15	
1-1/4					●		15430	12.3	82	98	120	170	240	259	310	380	438	14	14	15	15	
1-1/2					●		15630	15.1	120	144	176	249	352	381	455	557	643	14	14	15	15	
2					●		151150	20.2	219	262	321	454	642	694	829	1015	1172	14	14	15	15	
2-1/2					●		151750	24.6	334	399	489	691	977	1055	1261	1545	1784	14	14	15	15	
3					●		152500	29.4	477	570	698	987	1396	1508	1802	2207	2548	14	14	15	15	
4					●		154500	39.7	858	1026	1256	1777	2513	2714	3244	3973	4587	14	14	15	15	
5					●		157000	48.8	1335	1596	1954	2764	3908	4222	5046	6180	7136	14	14	15	15	
1/8		●		●			3001.4	.79	.27	.32	.39	.55	.78	.84	1.0	1.2	1.4	11	17	30	31	
		●		●			3002.5	.79	.48	.57	.70	.99	1.4	1.5	1.8	2.2	2.5	12	17	30	32	
		●		●			3004	1.2	.76	.91	1.1	1.6	2.2	2.4	2.9	3.5	4.1	20	26	30	32	
		●		●			3007	1.6	1.3	1.6	2.0	2.8	3.9	4.2	5.0	6.2	7.1	20	23	30	30	
1/4		●		●		3009	2.0	1.7	2.1	2.5	3.6	5.0	5.4	6.5	7.9	9.2	20	23	30	30		
3/8		●		●		3014	2.4	2.7	3.2	3.9	5.5	7.8	8.4	10.1	12.4	14.3	20	25	30	30		
1/2		●		●		3030	3.2	5.7	6.8	8.4	11.8	16.8	18.1	22	26	31	21	26	30	31		
3/4		●		●		3050	4.4	9.5	11.4	14.0	19.7	28	30	36	44	51	22	26	30	31		
1						●	3070	5.2	13.3	16.0	19.5	28	39	42	50	62	71	22	27	30	30	
						●	30100	6.4	19.1	23	28	39	56	60	72	88	102	22	27	30	30	
1-1/4						●	30150	7.5	29	34	42	59	84	90	108	132	153	22	27	30	30	
						●	30200	8.7	38	46	56	79	112	121	144	177	204	22	27	30	30	
1-1/2						●	30250	9.5	48	57	70	99	140	151	180	221	255	22	27	30	30	
						●	30300	10.3	57	68	84	118	168	181	216	265	306	22	27	30	30	
2						●	30350	11.1	67	80	98	138	195	211	252	309	357	22	28	30	30	
						●	30400	11.9	76	91	112	158	223	241	288	353	408	22	28	30	30	
						●	30500	13.5	95	114	140	197	279	302	360	441	510	22	28	30	30	
2-1/2						●	30600	14.7	114	137	168	237	335	362	432	530	612	22	28	30	30	
						●	30700	15.9	133	160	195	276	391	422	505	618	714	22	28	30	30	
						●	301000	19.1	191	228	279	395	558	603	721	883	1019	22	28	30	30	
						●	301100	19.8	210	251	307	434	614	663	793	971	1121	22	28	30	30	
					●	301200	20.6	229	274	335	474	670	724	865	1059	1223	22	28	30	30		

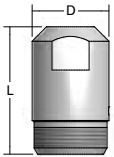
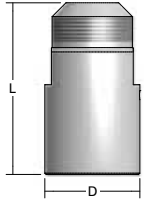
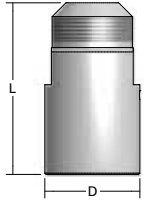
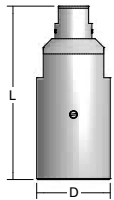
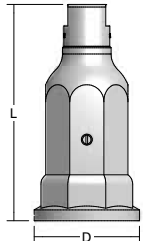
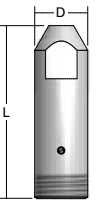
Highlighted column shows the rated pressure.



DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)	
	<b>H (F) H-W (F)</b>	3/4	55.6	31.8	0.21	
		1	69.4	38.1	0.35	
	<b>H (F) H-W (F) Cast</b>	1-1/4	87.4	52.4 oct.	0.73	
		1-1/2	103.2	58.7 oct.	0.72	
		2	138.2	76.2 oct.	1.7	
		2-1/2	160.3	87.3 oct.	2.15	
		3	187.3	103.2 oct.	2.70	
		4	242.9	138.1 oct.	5.44	
		<b>H (F) Cast</b>	5	293.7	171.5 oct.	13.97
			6	365.1	203.2 oct.	22.23
	<b>H (F) Polypropylene</b>	1-1/2	104.1	59.5	0.06	
		2	131.8	76.2	0.11	
	<b>D-HH (M) Polypropylene</b>	1/2	43.2	19.1	0.01	
		3/4	53.1	25.4	0.03	
	<b>H-W (F) Polypropylene</b>	1-1/2	107.7	59.5	0.05	
		2	138.8	71.4	0.11	
	<b>HF (Flange)</b>	4	206.4	222.3	13.06	
		5	268.2	254.0	15.56	
		6	320.7	279.4	22.23	
		8	422.3	342.9	54.43	
		10	527.1	406.4	87.54	

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	<b>HH (M) HH-W (M)</b>	1/8	22.2	12.7	0.01
		1/4	22.4	13.5	0.01
		3/8	23.9	16.7	0.03
		1/2	29.4	20.6	0.04
		3/4	38.9	27.0	0.10
		1	51.6	33.3	0.20
	<b>HH-W (M) (Wide angle only) Standard angle not available for these sizes</b>	1-1/4	69.9	42.9	0.61
		1-1/2	82.6	50.8	0.81
	<b>HD (F)</b>	3/4	54.0	31.8	0.17
		1	68.3	38.1	0.29
		1-1/4	85.7	47.6	0.73
		1-1/2	103.2	57.2	1.34
		2	128.6	69.9	1.88
		2-1/2	158.8	82.6	3.56
		3	185.7	101.6	5.74
	<b>H-15 (F)</b>	3/4	72.2	31.8	0.31
		1	92.1	38.1	0.54
		1-1/4	117.5	47.6	1.04
		1-1/2	127.0	58.7	1.11
		2	183.4	76.2	1.24
		2-1/2	219.9	79.0	2.83
	<b>H-15 (F) Cast</b>	3	268.3	104.8	3.46
		4	338.1	138.1	6.70
		5	428.6	171.5	17.70
	<b>HH-30 (M)</b>	1	92.1	33.3	0.45
		1-1/4	154.7	44.5	1.16
		1-1/2	157.2	47.6	1.33
		2	199.6	60.3	5.32
		2-1/2	263.5	73.0	5.44
		3	263.5	88.9	14.45

Based on the largest/heaviest version of each type.